QNAP DS923+ NAS Tower Ethernet LAN Black R1600

Brand : QNAP

Product code: DS923+/16TB-IW

Product name : DS923+

4 x 3.5" / 2.5" SATA HDD / SSD, M.2 Drive Slots, AMD Ryzen R1600, 4 GB DDR4 ECC, 1GbE
QNAP DS923+. Total installed storage capacity: 16 TB, Installed storage drive type: HDD, Supported storage drive types: HDD & SSD. Processor family: AMD Ryzen, Processor manufacturer: AMD, Processor model: R1600. Internal memory: 4 GB, Internal memory type: DDR4L, Maximum RAM supported: 32 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Copper ethernet cabling technology: 10BASE-T, 100BASE-TX, 1000BASE-T, Supported network protocols: SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP,.... Chassis type: Tower, Cooling type: Active, Product colour: Black

Storage	
Supported storage drive interfaces	M.2, Serial ATA III
Storage drive sizes supported	2.5,3.5"
Number of M.2 (M & B) slots	2
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, JBOD
Online RAID migration	✓
Online RAID expansion	✓
Hot-swap drive bays	✓
Supported file systems	BTRFS, Fat, HFS+, NTFS, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	16 TB
Number of storage drives installed *	4
Number of storage drives supported *	4
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD

Processor	
Processor manufacturer *	AMD
Processor family *	AMD Ryzen
Processor model *	R1600
Processor frequency *	2.6 GHz
Processor boost frequency	3.1 GHz
Processor cores	2

Memory	
Internal memory type	DDR4L
Maximum RAM supported	32 GB
Memory slots	2
Internal memory *	4 GB
ECC	✓

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Copper ethernet cabling technology	10BASE-T, 100BASE-TX, 1000BASE-T
iSCSI support	✓
Wake-on-LAN ready	✓

Design	
LED indicators	✓
Built-in display	✗
Cable lock slot	✓
Cable lock slot type	Kensington
Built-in speaker(s)	✗

Performance	
Type *	NAS
Device class *	Home & Home Office
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Multilingual support	✓
Noise level	22.9 dB
Card reader integrated	✗
Management protocols	SNMP
Security algorithms	AES
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in UPnP AV media server	✓
Built-in FTP server	✓
Browser supported	Google Chrome, Firefox, Microsoft Edge, Safari
Hot spare	✓

Software	
Operating system installed *	DiskStation Manager
Operating system version	7.1.1
Server operating systems supported	Windows Server 2016, Windows Server 2019

Power	
Power supply location	External
Power supply unit (PSU) capacity	100 W
Number of power supply units	1
Redundant power supply (RPS) support	✗
Power consumption (typical)	35.51 W
Power consumption (HDD standby)	11.52 W

Network	
Supported network protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV
Link aggregation	✓

Ports & interfaces	
USB port *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
eSATA ports quantity	1
Ethernet LAN (RJ-45) ports *	2
PCI Express x2 (Gen 3.x) slots	1

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	2 fan(s)
Fan diameter	9.2 cm
Drive bay locking	✓

Power	
AC input voltage	100 - 240 V
AC input frequency	50 / 60 Hz

Weight & dimensions	
Width *	199 mm
Depth *	223 mm
Height *	166 mm
Weight	2.34 kg

Packaging content	
External power adapter	✓
Cables included	AC, LAN (RJ-45)
Power cables quantity	1

Technical details	
Sustainability compliance	✓
Sustainability certificates	CE, RoHS

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 60 °C

Certificates	
Certification	FCC BSMI VCCI RCM UKCA EAC CCC KC

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